THIS DOCUMENT CONSISTS OF 201 PAGE(S)
NO. 4 OF 4 COPIES, SERIES A

MANHATTAN DISTRICT HISTORY

LOS ALAMOS PROJECT (Y)

VOLUME 1 - GENERAL

APPENDIX E AND F

CLASSIFICATION CANCELLED
OR CHANGED TO
BY AUTHORITY OF DOE/DPC
JOHN K. HAMLOCK
REVIEWED BY
9/7/79
DATE
GW Brother
10-25-05
DD.50-10.23

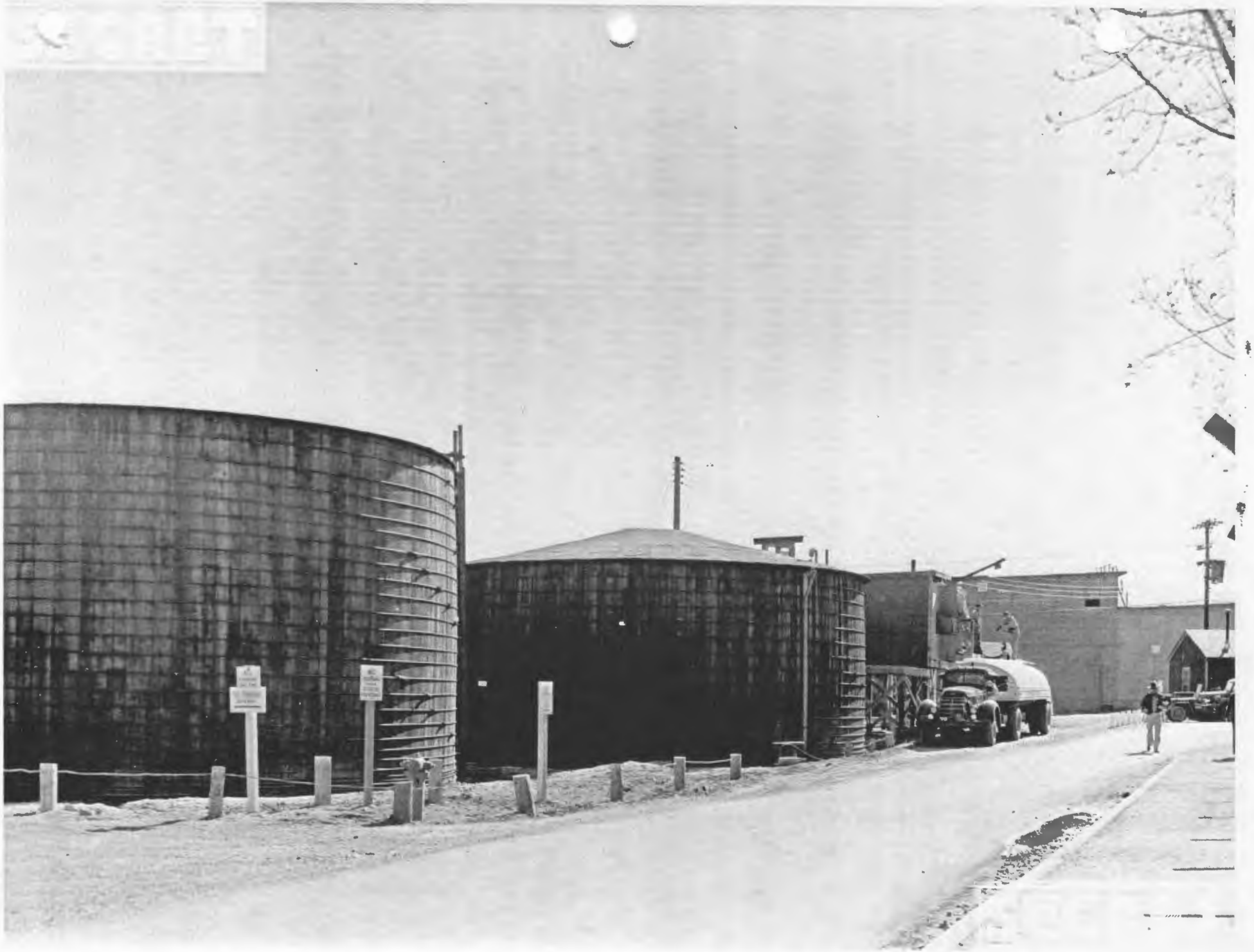
RESTRICTED DATA
Atomic Energy Act 1946
Specific Restricted Data
Clearance Required

SECRET

APPENDIX E-2

Two 150,000 gallon capacity redwood water storage tanks. The truck in right center is one used to transport water from the Rio Grande Valley. A pumping station for removing the water from the truck is at its right. In the background is "S" Building, a Technical Area Storeroom. A portion of the Technical Area fence is on the right border of the photograph.

[redacted]



E-2

APPENDIX E-3

A photograph of the 250,000 gallon tank. The building in the left center is an original shop of the Los Alamos Ranch School which was converted into the Housing and Express Office.

APPENDIX E-4

A million gallon capacity steel water tank.

E-4

APPENDIX E-5

New Mexico State Highway No. 4, showing early road construction, with various road hazards. View west. Old U. S. Engineer Office photograph.

APPENDIX E-6

Old U. S. Engineer Office photograph showing State Highway No. 4, to Project with switchbacks which were eliminated. View east.

E.6

[redacted]

APPENDIX E-7

Construction work under way on Highway No. 4. Road Hazards involved. View south. U. S. Engineer photograph.

[redacted]

21A PROJECT SANTA FE, N. M.
NEW MEXICO STATE HIGHWAY N. M. 2-2-(6)
HAZARD-CONSTRUCTION WORK VIEW SOUTH
EXHIBIT 42
U. S. Engr. Office Albuquerque, N.M.
27 October 1943 SL-7-L

APPENDIX E-8

View of the mountain access road with various switchbacks visible. View west. U. S. Engineer Office photograph.

E-8

[redacted]

APPENDIX E-9

One of the original ranch buildings of the Los Alamos Ranch School. At first it was used for substandard housing. Later converted in 1946 to the Tailor Shop. The temporary building at the right was originally a workmans' barracks; later converted into the headquarters for the Telegraph Office, Radio Station, PX Office and Newspaper Office. The snowcapped mountains in the background are the Sangre de Christos Range.

[redacted]

Fig. 9

APPENDIX E-10

Spruce Cottage, T-115. A Master house, known as Spruce Cottage, was originally used as the WAC headquarters. Later was used for three apartments, and at present is divided into two master apartments.

APPENDIX B-11

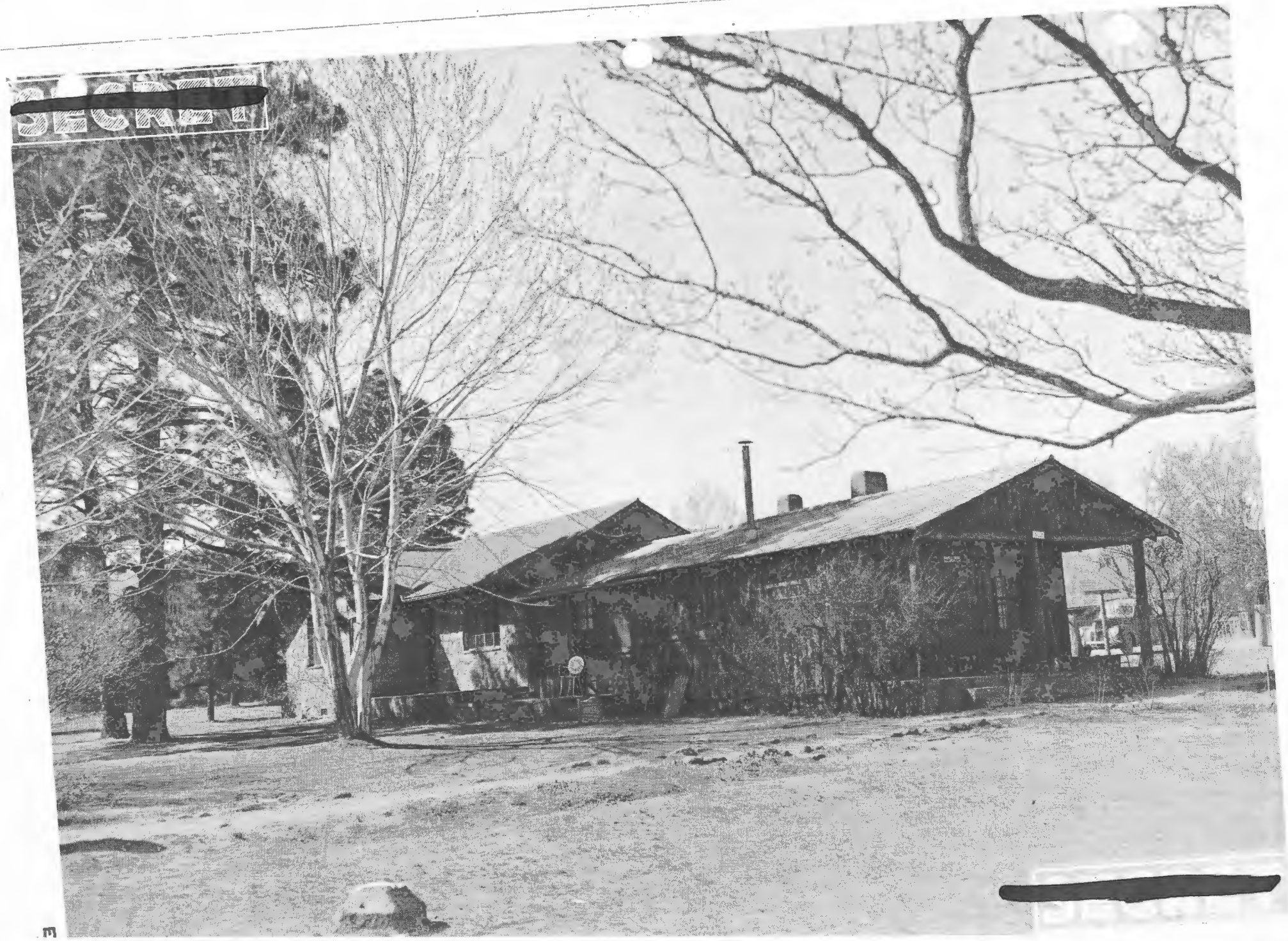
Big House, T-109 - Originally a dormitory for the Los Alamos Ranch School. Now it is used for the library, Chaplain's Office and the Red Cross headquarters. A machinists' barracks is in the background.

SECRET

APPENDIX E-12

Guest Cottage and Residence - T-117. The stone section is the original Guest Cottage of the Los Alamos Ranch School, comprising the Blue Room and the Brown Room, in which were housed the more prominent visitors to the Project.
The log structure is a private residence, also an original school building. In the right background is Spruce Cottage (Appendix E-10).

SECRET



APPENDIX E-13

Fuller Lodge, T-31. The headquarters of the Los Alamos Ranch School, which has served as the hotel and main dining room for the Project. A portion of the Guest House and Residence (E-12) is shown at the right.

[redacted]

APPENDIX E-14

Arts and Crafts Building, an original Los Alamos Ranch School building, now used as a Master house for the Laboratory Director. The Jemez Mountain Range lies in the background.

[redacted]

M-4

SECRET

APPENDIX E-15

Example of Sundt Construction.

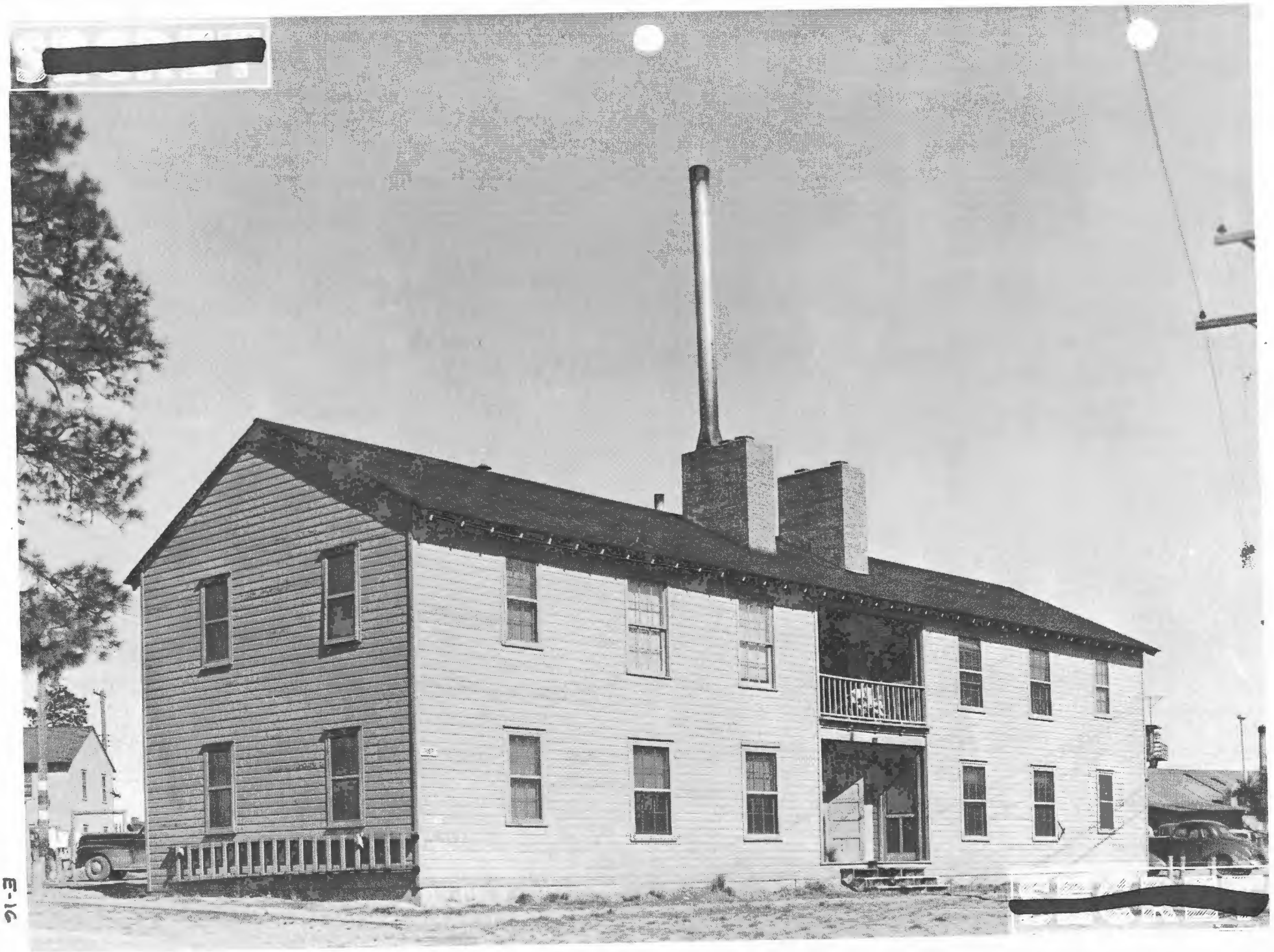
One bedroom duplex.

SECRET

E-15

APPENDIX E-16

Two-story Apartment Building, containing apartments of four rooms each. Sundt Construction.



APPENDIX E-17

Two-story Apartment Building with three room apartments.

APPENDIX E-18

Two-story Apartment Building, two bedroom type.

APPENDIX E-19

Two-story Apartment Building, one bedroom units.

(Efficiency Apartments)

APPENDIX E-20

Exterior view of completed Morgan Duplex Houses.

SECRET
[redacted]
[redacted]

APPENDIX E-21

Example of McKee Flat Roofed Housing.

APPENDIX E-22

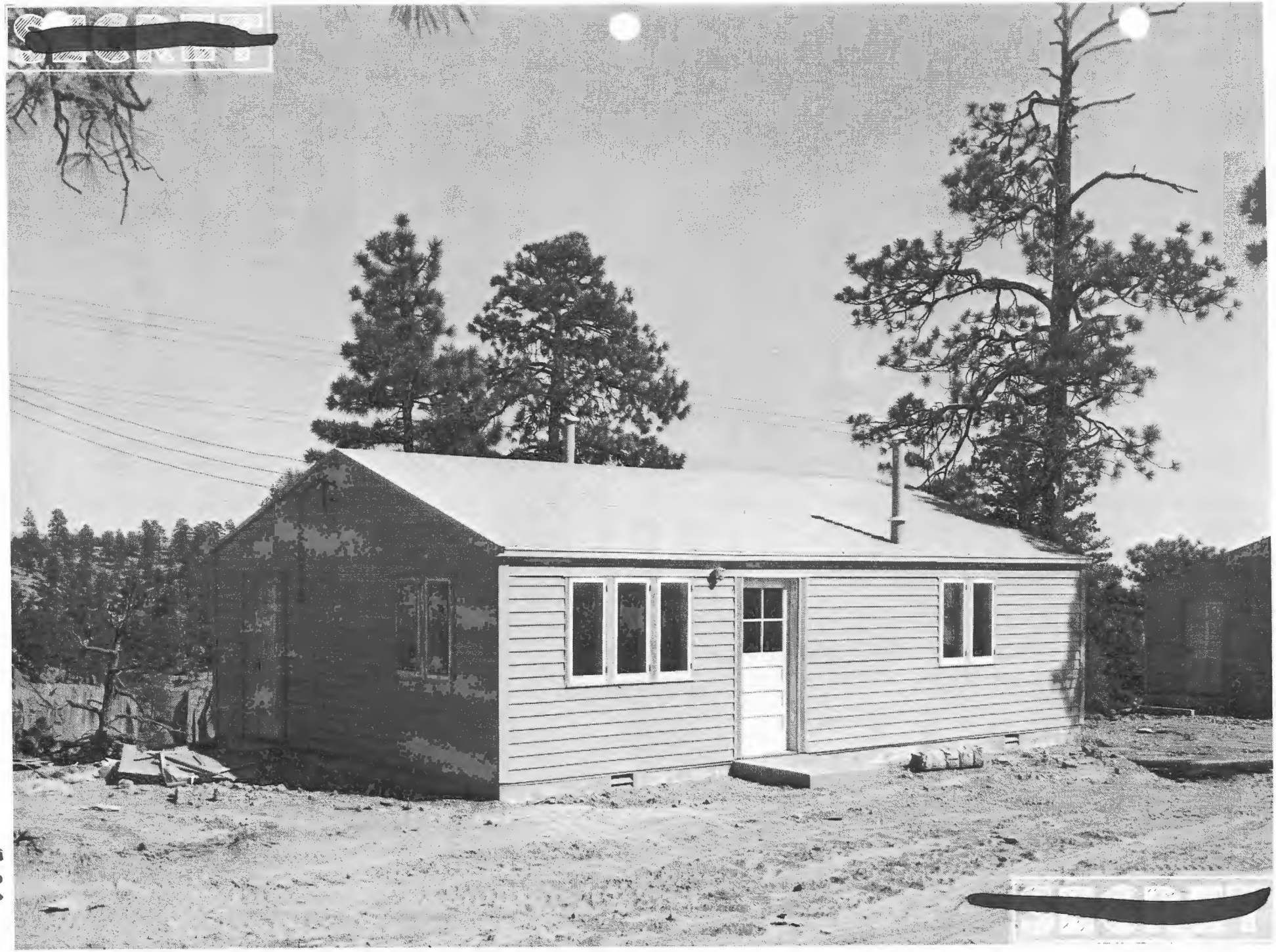
Pasco, or Hanford Type House with two bedrooms.

APPENDIX E-23

Pasco House with three bedrooms.

APPENDIX E-24

Metal Prefabricated Home for enlisted military personnel.



[redacted]

APPENDIX E-25

An example of the permanent Western House. Two of these were completed by the end of 1946. When the contract is completed there will be a total of 302.

[redacted]

[redacted]

APPENDIX E-26

Hutments.

E-26

[redacted]

APPENDIX E-27

Examples of Pacific Hutments.

[redacted]

APPENDIX E-28

Expansible Government Trailers.

5.9a

APPENDIX E-29

The Trailer Area at Los Alamos, showing privately owned trailers in the foreground and Government trailers in the middle distance.

E-26

APPENDIX E-30

Men's Dormitory.

E-30

APPENDIX E-31

Men's Dormitory, T-178 - capacity 20 men. Semi-private baths are the feature of this type dormitory. Only four of these were built. Two women's, T-101 and T-177 and two men's, T-102 and T-178.

APPENDIX E-32

Women's Dormitory.

E-32

APPENDIX E-33

WAC Barracks, 76 capacity.

[redacted]

APPENDIX E-34

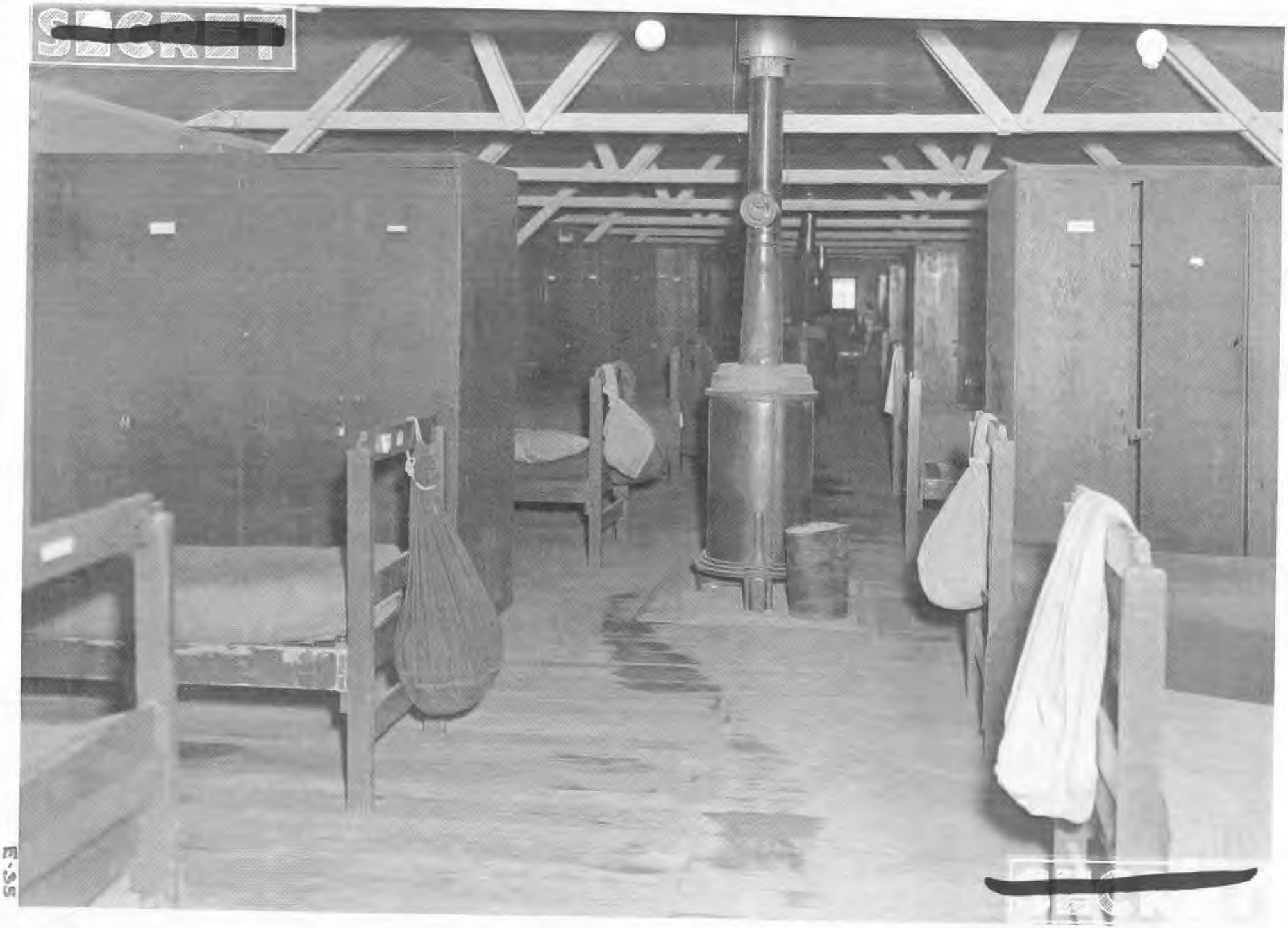
Enlisted Mens Barracks, Type B-A-T.

[redacted]

APPENDIX E-35

Enlisted Mens Barracks.

Interior View.



E-35

[redacted]

APPENDIX E-36

Bachelor Officers Quarters - a semi-barracks using space heaters. Latrine facilities are on the rear end of the building. Theater No. 1 is seen to the left (rear of B O Q).

[redacted]

E-36

APPENDIX E-37

Living room of a Sundt Constructed Duplex.

E-37

APPENDIX E-38

Kitchen in a Sundt Duplex.

E-98

[redacted]

APPENDIX E-39

Living room in a two bedroom apartment constructed by Sundt.

[redacted]

E-99

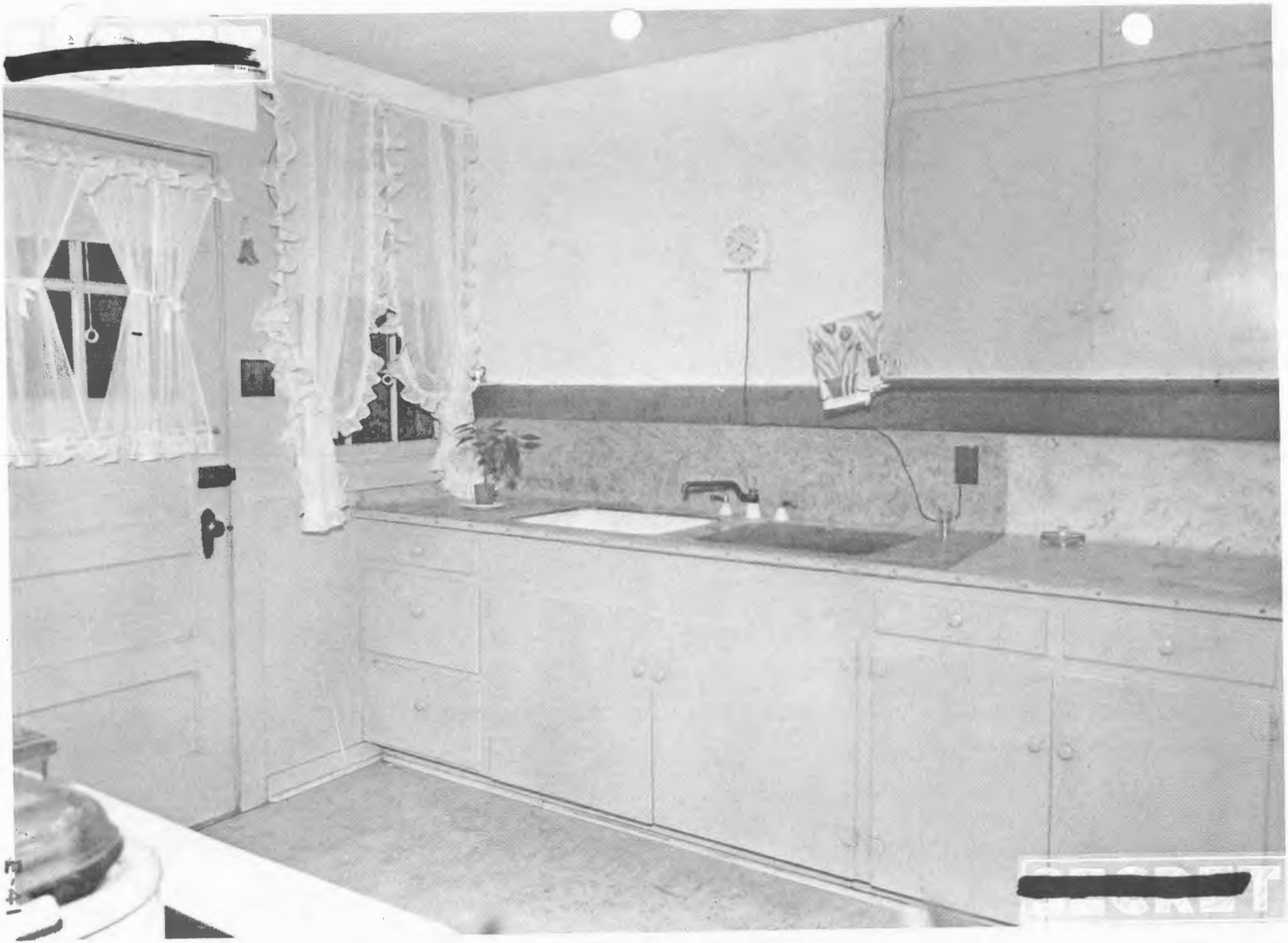
APPENDIX E-40

Kitchen in a two bedroom Sundt Apartment.

E-40

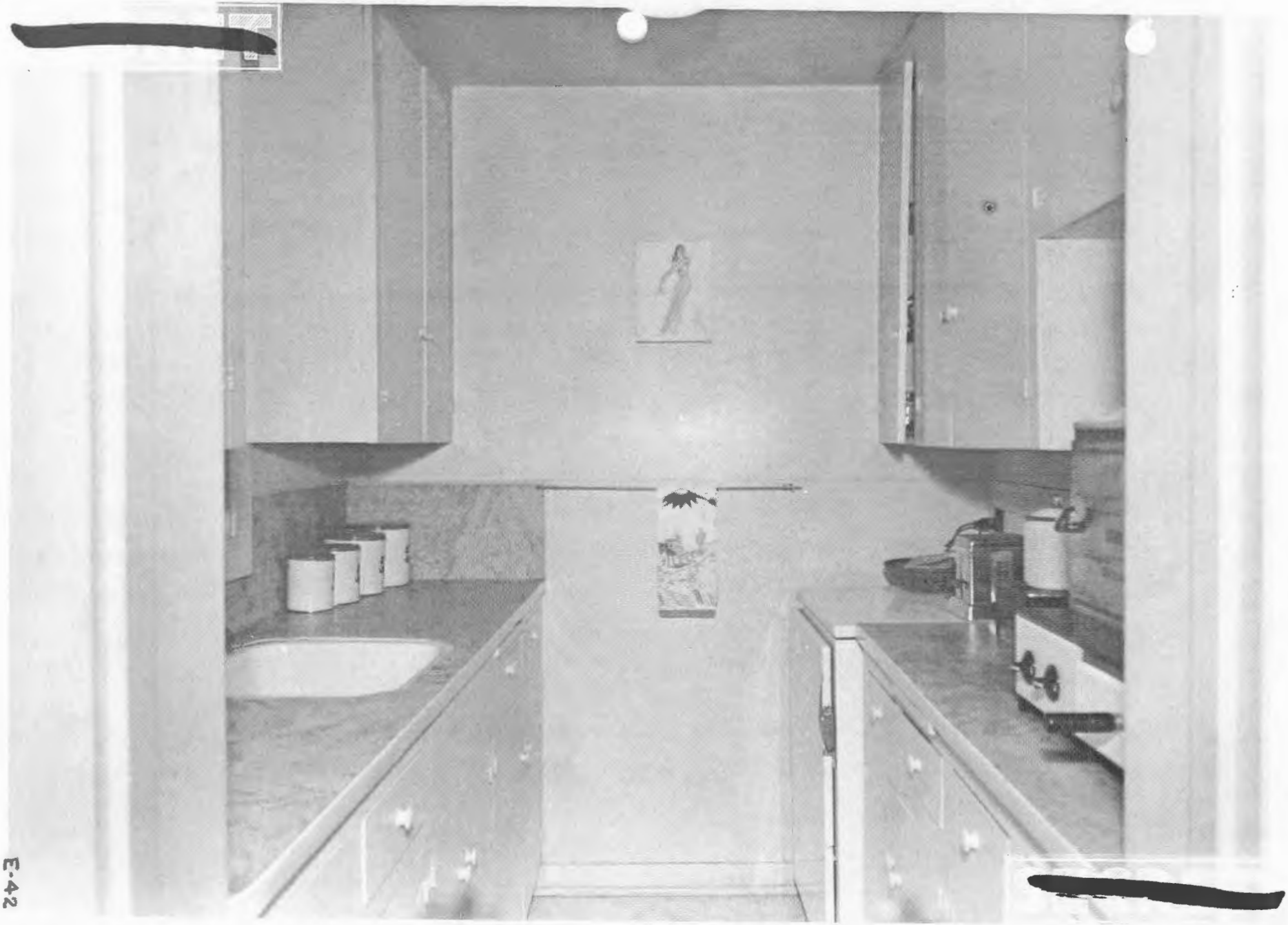
APPENDIX E-41

Kitchen in a three bedroom Sundt Apartment.



APPENDIX E-42

One type kitchen in an efficiency unit, see E-19.



APPENDIX E-43

Living room in an efficiency apartment (E-19).

E-43

APPENDIX E-44

Living room in a Morgan Duplex.

E-44

SECRET

APPENDIX E-45

Kitchen and dinette in a Morgan Duplex.

SECRET

APPENDIX E-46

Kitchen in a Morgan Duplex.

E-46

APPENDIX E-47

Example of a Mens' Dormitory room.

E-47

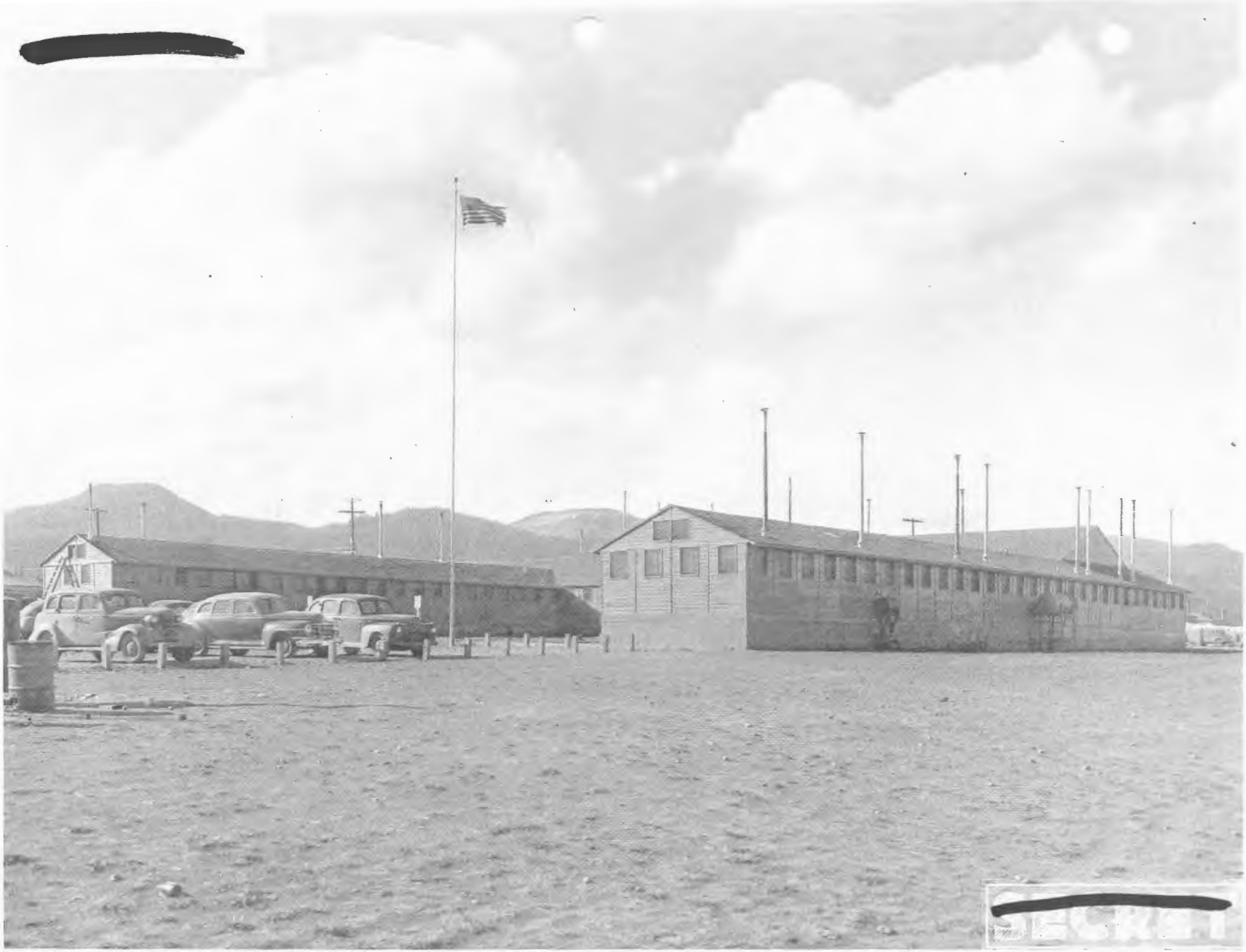
APPENDIX E-48

Dormitory Dayroom.

E-48

APPENDIX E-49

Original Administration Building, T-1.



E-49

APPENDIX E-50

New Administration Building T-44. Divided into offices for the Commanding Officer, Executive Officer, Chief Clerk, and Mail and Records Section.

[redacted]

E-50

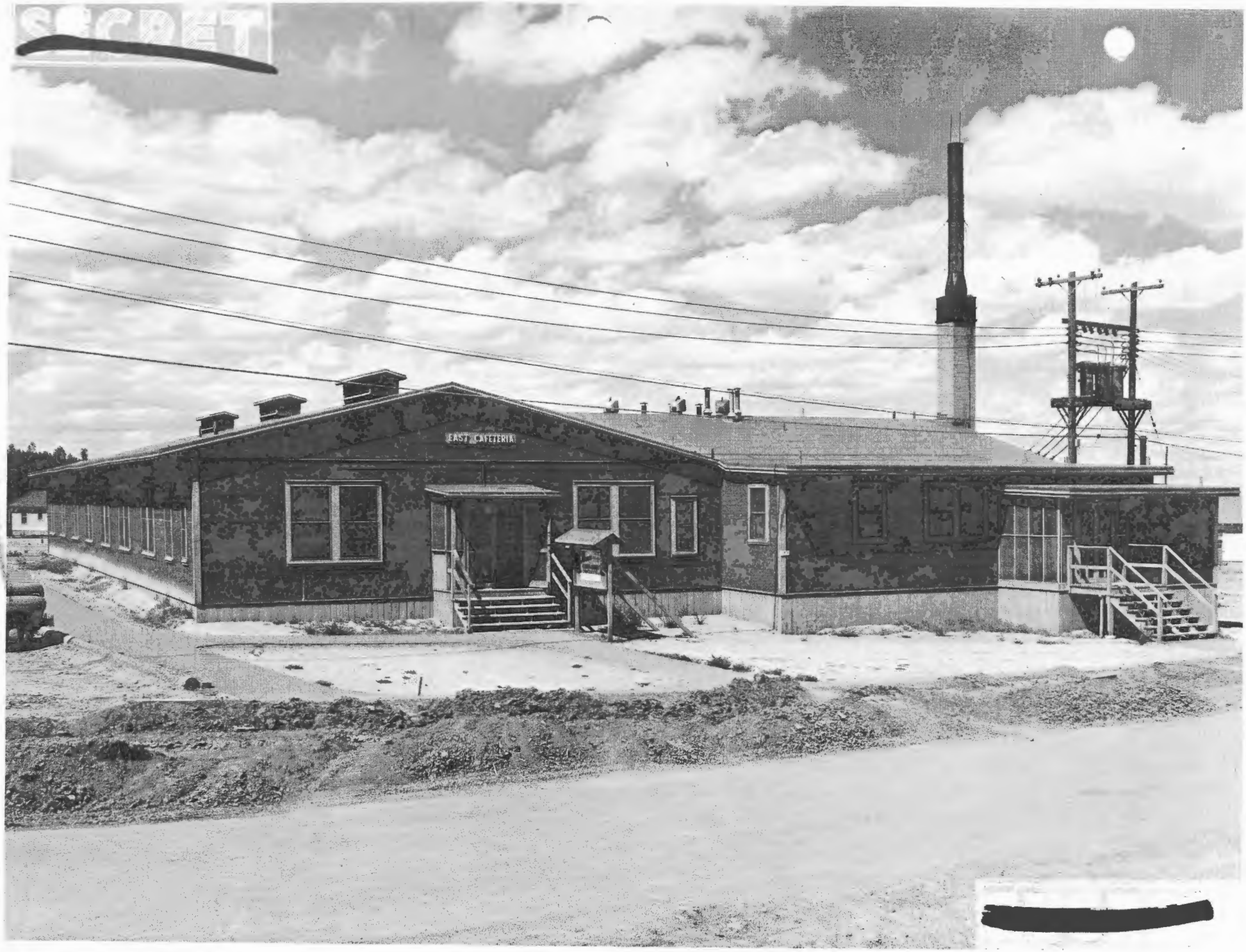
APPENDIX B-51

Central Fire Station, T-26 and tower used for practice jumps and hose drying. The power house is visible at the right border of the photograph. Buildings in center and left background are property offices and warehouses.

DO NOT
ENTER

APPENDIX E-52

East Cafeteria



E-52

APPENDIX E-53

Garage and Filling Station.

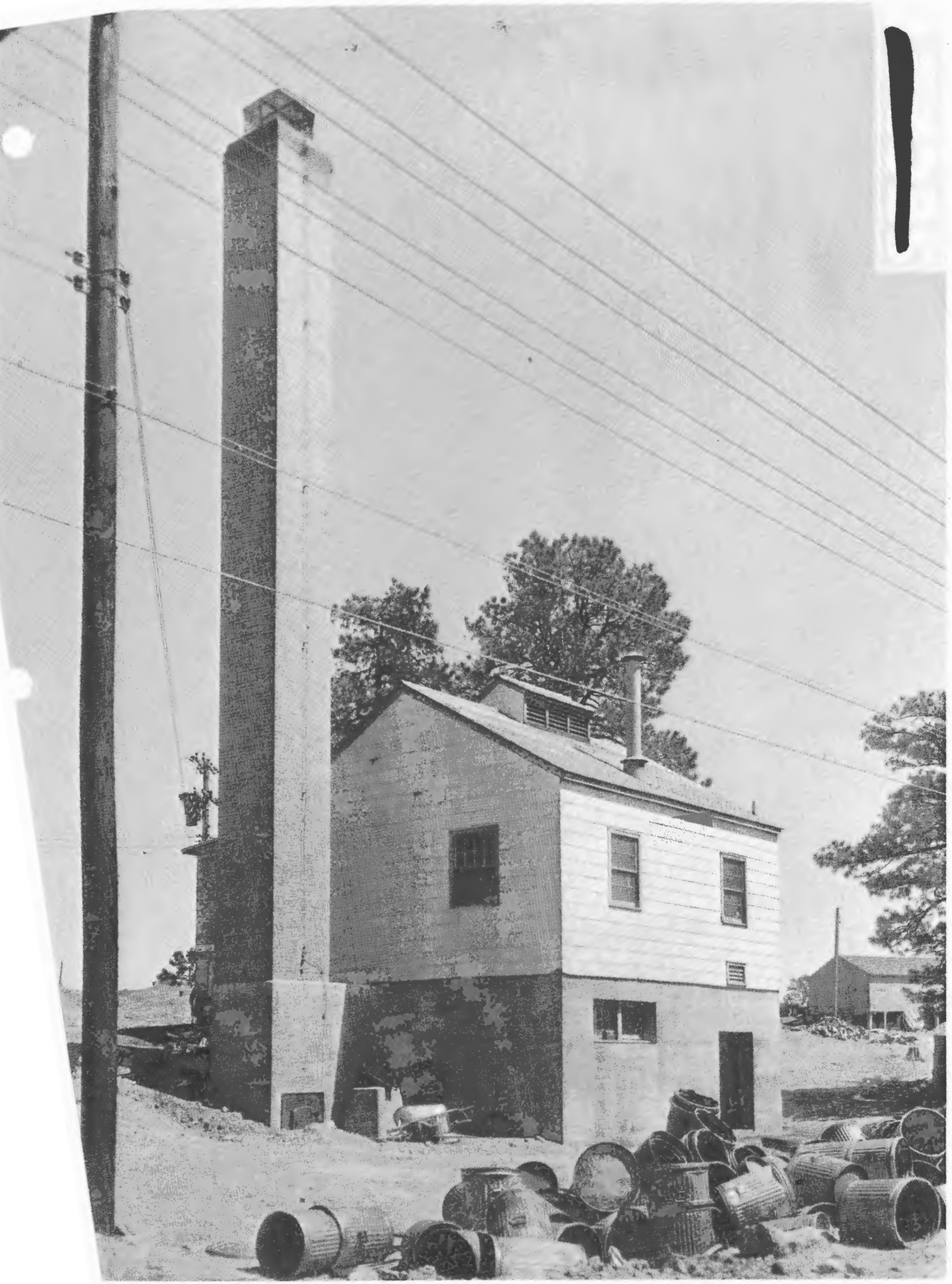
E-53

APPENDIX E-54

Hospital

APPENDIX E-55

Incinerator, 5-ton capacity.



[redacted]

APPENDIX E-56

Laundry No. 1, T-136. An example of the construction used for these self-help laundries.

[redacted]

E-56

APPENDIX E-57

North Mess Hall, T-103.

E-57

~~SECRET~~

APPENDIX E-58

Nursery school, T-126, and play yard, used for the pre-school age children.

~~SECRET~~

E-58

APPENDIX E-59

Electric Power House, T-403, Exterior View.

SECRET

APPENDIX E-60

Electric Power Plant, Interior View.

SECRET

SECRET
SECRET

APPENDIX E-61

Service Club, T-7, with Beauty Shop
and Barber Shop shown at right.

APPENDIX E-62

School (Elementary and Grade) T-156. The Jemez Mountains are clearly shown in the background.

E-02

SECRET

APPENDIX E-63

A class in the Los Alamos High School.

SECRET

E-63

APPENDIX E-64

Technical Post Exchange

Phone
GLENN HENRY
OVER 25 PER CENT OF DEATHS
THINK IT OVER
ARE YOU DOING YOUR SHARE
IN PREVENTING FIRES ?

E-64

APPENDIX E-65

Theater No. 2

TONIGHT AT THEATRE NO 2
GAY CAVALIER
WITH THE CISCO KID
7 & 9 FRIDAY

E·65

APPENDIX E-66

Trading Post, T-8. This was the original Trading Post of the Los Alamos Ranch School. To the left of the photograph the Service Club, T-7, may be seen.

E-66

APPENDIX E-67

West Mess or SED Mess Hall, T-228.

E-67

SECRET

APPENDIX E-68

Interior of West Mesa (E-67).

SECRET

E.68

APPENDIX E-69

Technical Building A, T-43, connected by passageway (E-70) to Building B (E-71), which is very similar to A in design and construction. Building T is to the left (east) not shown and also connected by a bridge.

SECRET

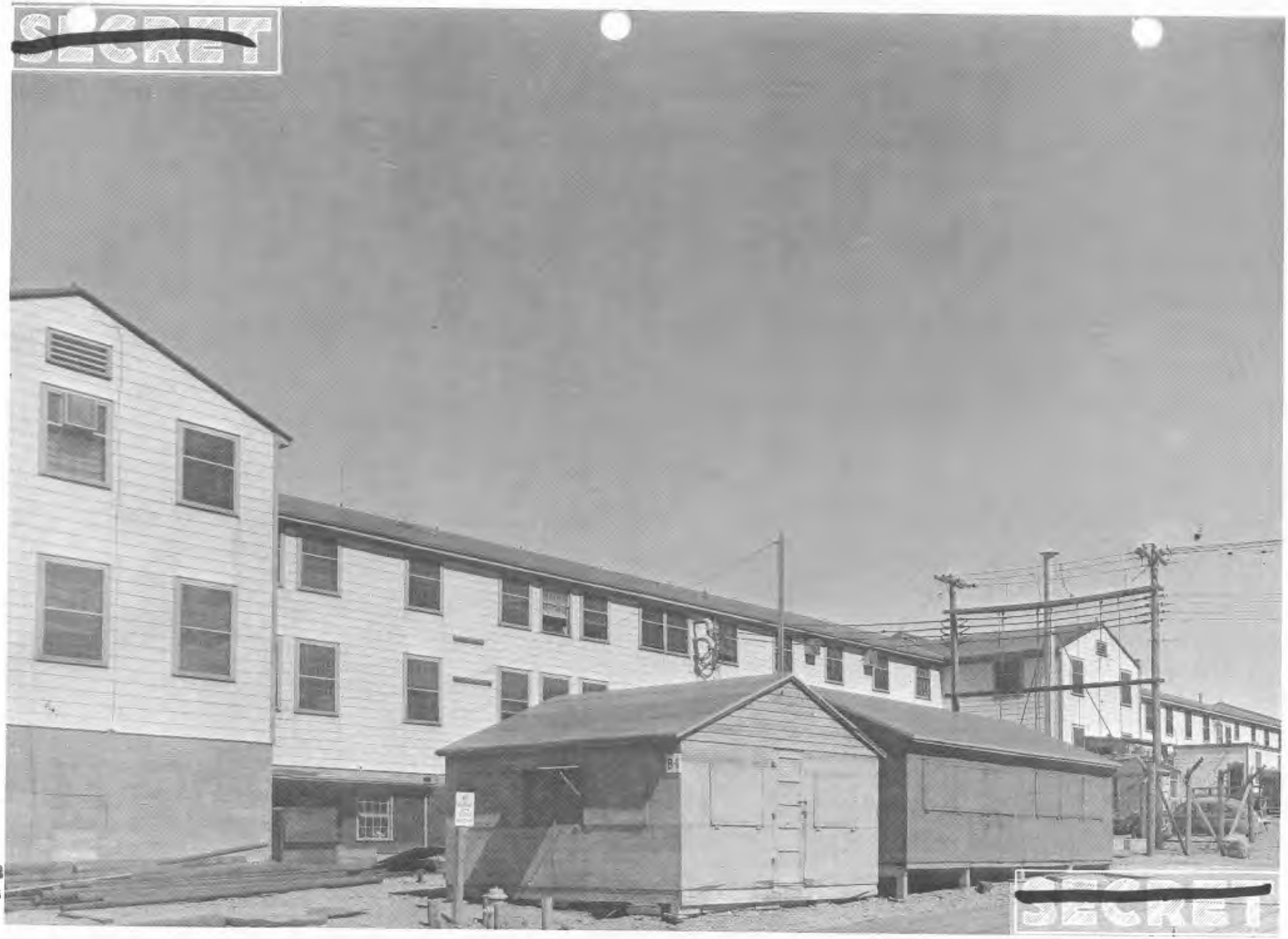
APPENDIX E-70

Passageway from A Building (E-69) to B Building E-71 on the left. Picture taken looking north.

E-70

APPENDIX E-71

Technical Building B, T-431, (rear view) looking northeast.



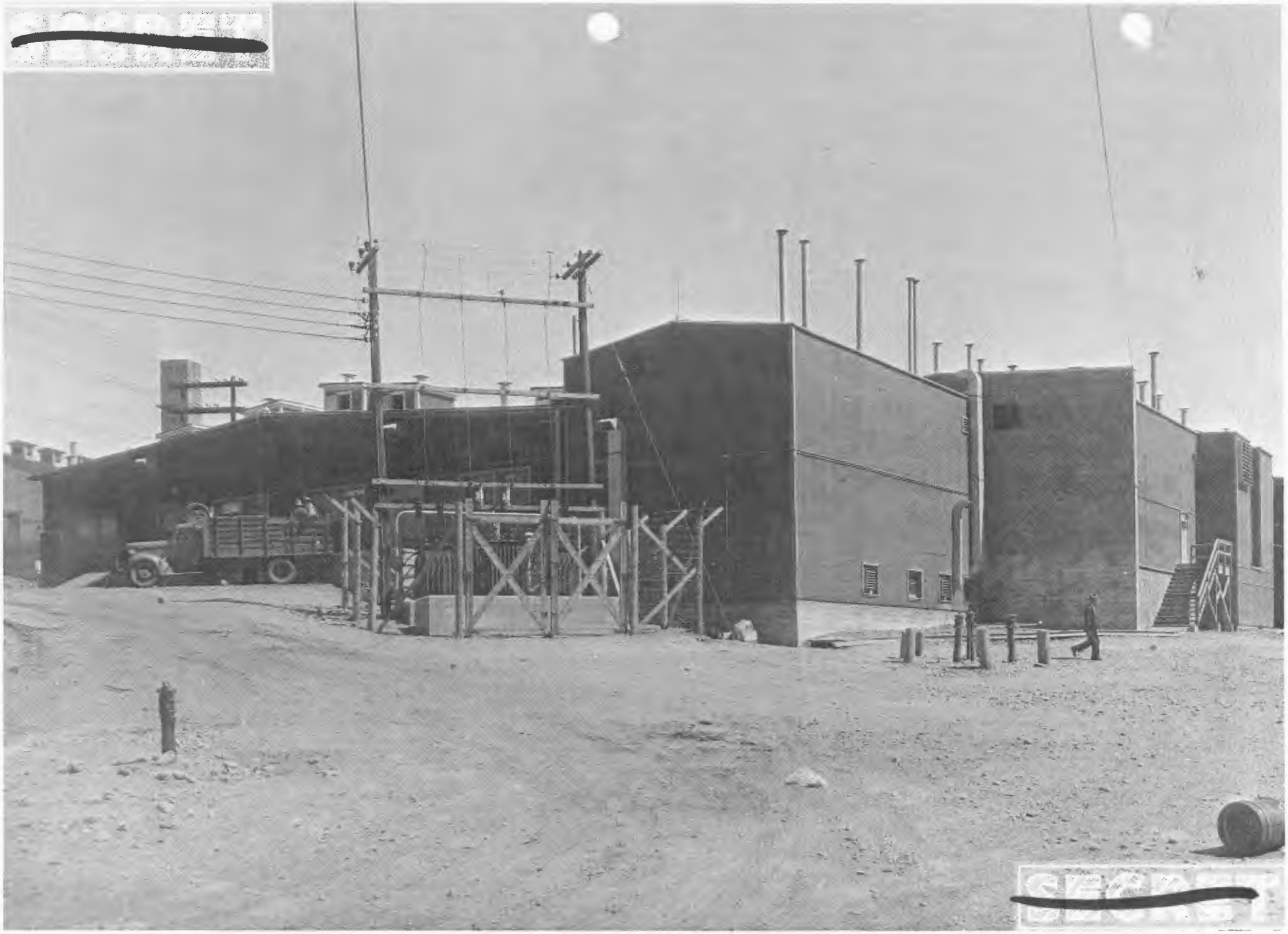
E-71

APPENDIX E-72

Technical Building C, T-432 (rear view)

APPENDIX E-73

Technical Building D, T-433 looking northeast



E-73

APPENDIX E-74

West elevation of two covered passages over main road, P Building on the left. Technical Area pass office on the right side of the road. Building T is on the right partly hidden by the bridge.

E-74

APPENDIX E-75

View of office building (P Building). P Prime Building is visible through the Guard Tower at the left. This photpgraph also shows a portion of the covered passage (E-74), and the fenced enclosure.

APPENDIX E-76

Techincal Building N, T-412. This is an excellent example of the rough terrain on which structures were erected. This building was used for experimental purposes and was enclosed by a barbed wire fence.

E-76

APPENDIX E-77

Technical Building Q, T-439, Headquarters for the Health Group.

[redacted]

E-17

[redacted]

APPENDIX E-78

Technical Warehouse S Building, T-432.

E-78

SECRET

APPENDIX E-79

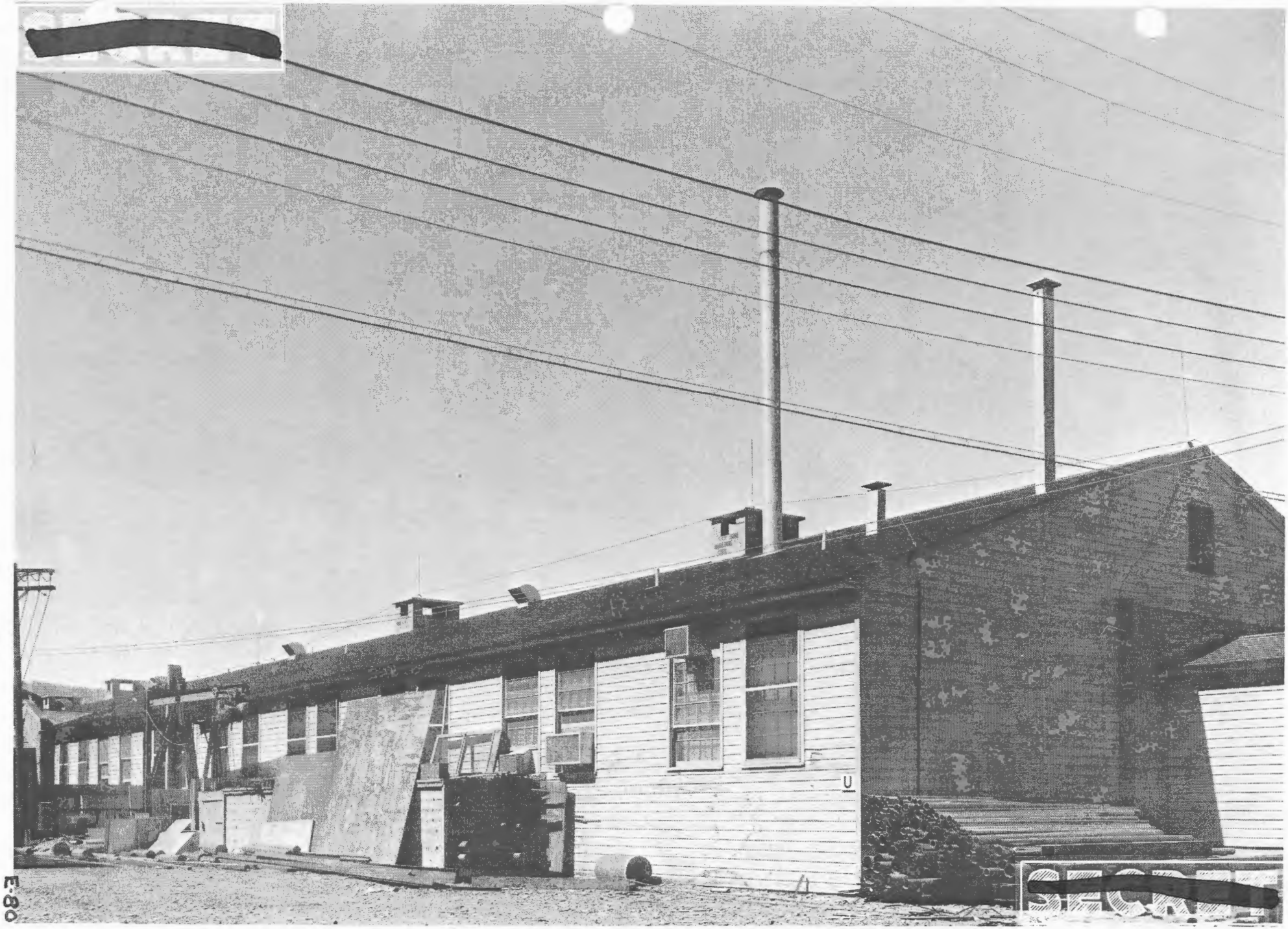
Technical Building T, T-408, looking southwest. This was the first building completed and in use in the Technical Area. Administration and Theorectical Building containing offices, photographic laboratory, technical library, document room, patent headquarters and concrete vault for classified material. Bridge across road connects with passageway between Gamma Building and E Building not shown.

SECRET

E-19

APPENDIX E-80

Technical Building U - T-409. Another of the original Technical Area buildings. Used for electronics.



E-80

APPENDIX B-81

Technical Building V - T-410. One of the first technical buildings. Used for shops.

APPENDIX E-82

Technical Building X - T-409. Constructed early in 1943. Houses the cyclotron.

E-82

SECRET

APPENDIX E-83

Technical Building Y - T-411. One of the first Technical buildings. Used as a physics laboratory.

SECRET

E-83

APPENDIX E-84

Technical Building W - T- . Another of the originally constructed area buildings; housing the van de Graaff.

E-84

APPENDIX E-85

Technical Building Z - T-414. Constructed early in 1943. Contains the Cochcroft-Walton Accelerator.

E.85

[redacted]

APPENDIX E-86

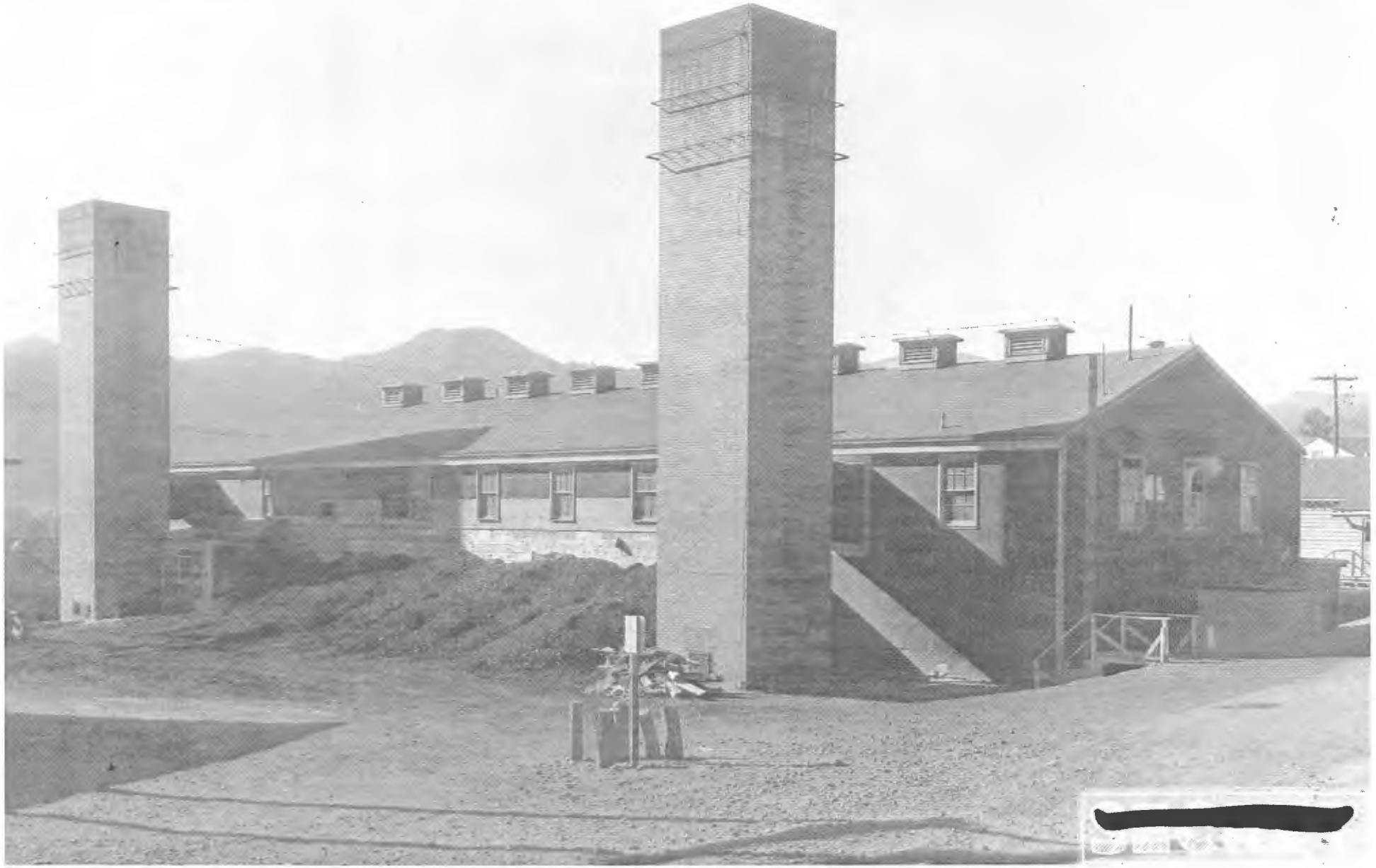
This building T-416, was originally Boiler House No. 1. Later it was modified into Technical Building M. V Building is in right background.

[redacted]

E.86

APPENDIX E-87

Boiler House No. 2 - T-434.



E.87

APPENDIX E-88

Gamma Building

E-88

APPENDIX E-89

East elevation of Building S-1, office building at S Site, showing entrance to equipment room, first aid room and east end of the building.

E-89

Secret

APPENDIX E-90

South elevation of Building S-24, S Site. Note the wooden barricade at left (E-91). A casting room.

Secret

E-90

APPENDIX E-91

Wooden and earth filled barricade near Building S-24, S Site.

SECRET

APPENDIX E-92

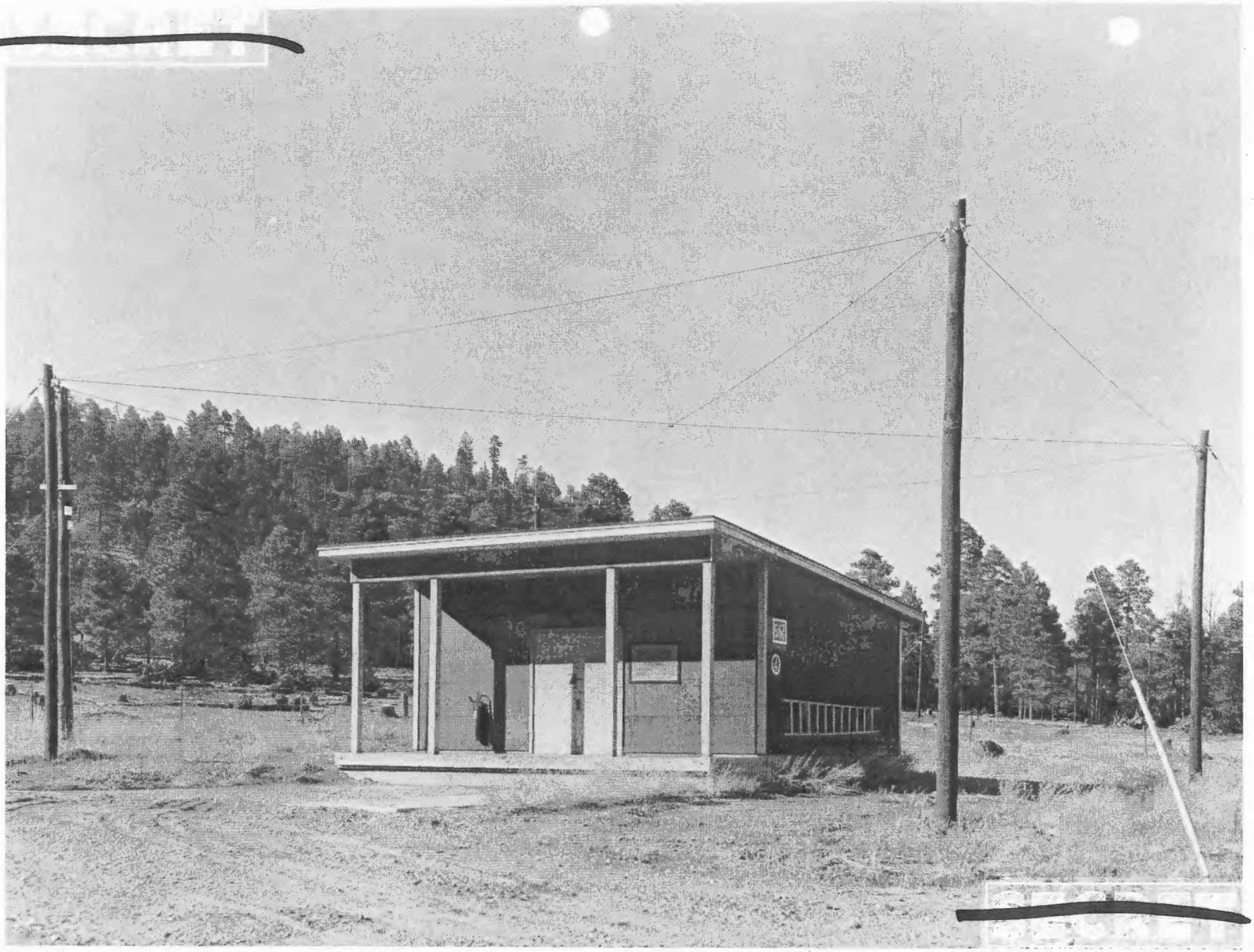
Northeastern Elevation of Building S-28, S Site, a shop and laboratory.

SECRET

E-92

APPENDIX E-93

Southeastern elevation of Building S-67, a magazine at S Site.

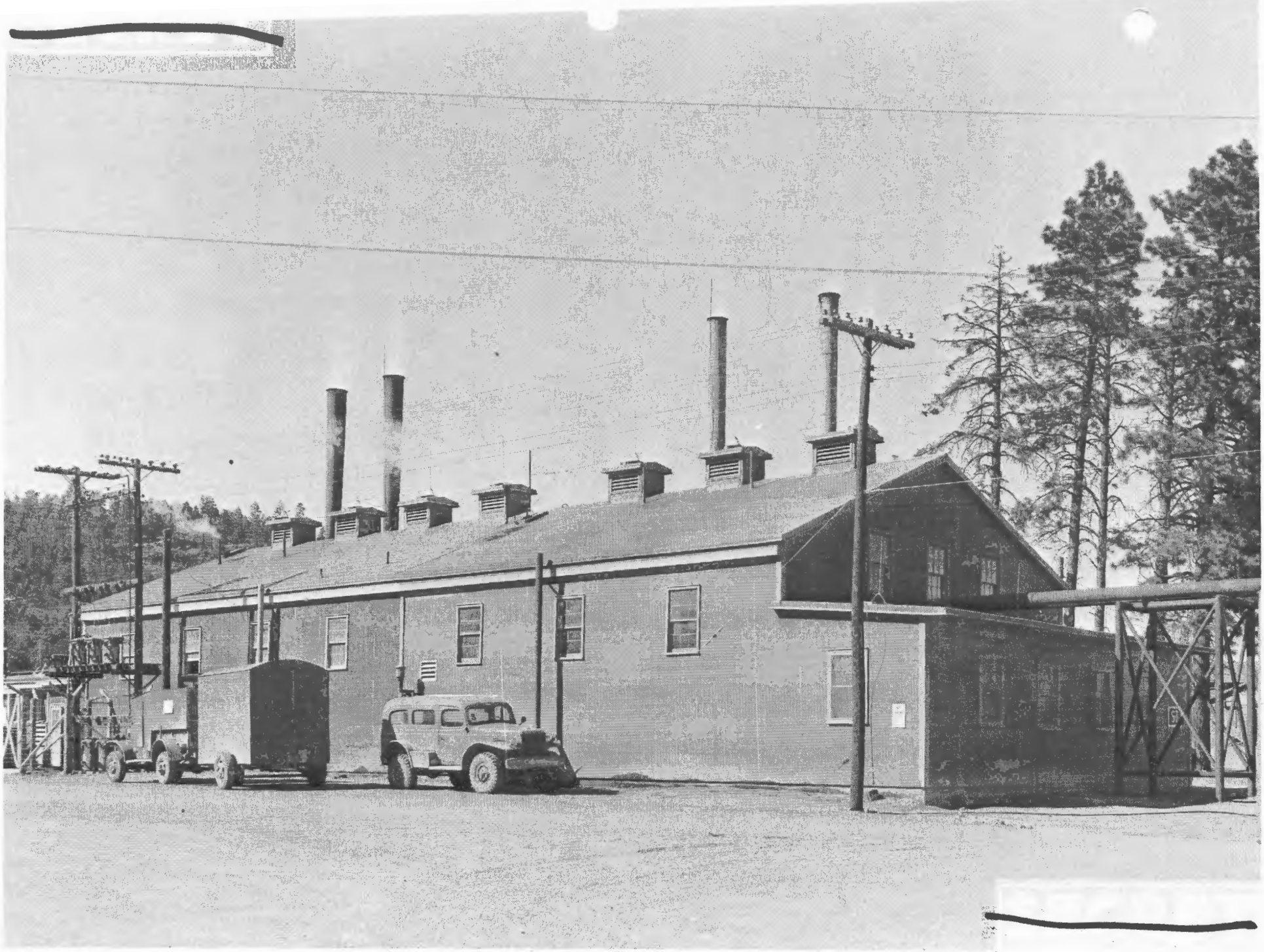


SECRET

APPENDIX E-94

Southeastern view of Building S-7, the Boiler House at S Site.

SECRET



[redacted]

APPENDIX E-95

Boilers in Building S-7 (E-94).

[redacted]

SECRET

APPENDIX E-96

Expansion Loop in Steam Distribution Line at S Site.

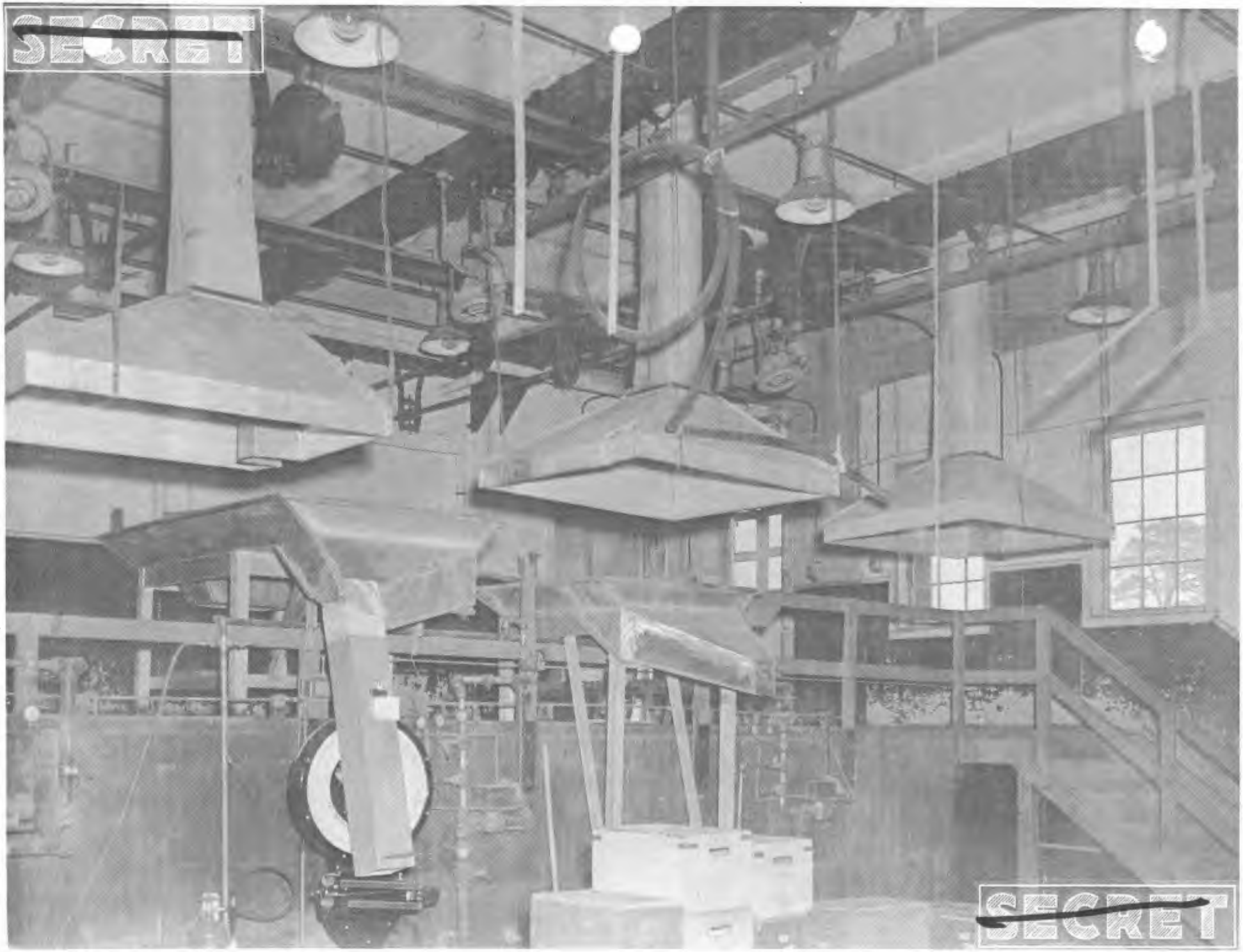
SECRET

SECRET

APPENDIX B-97

Interior of Work Room in Casting Building S-24.

SECRET


SECRET
SECRET

APPENDIX E-98

Scene at DP Site.

F-32

SECRET

APPENDIX E-99

DP Site

SECRET

E-99

~~SECRET~~

Appendix F

File Reference

Ref. No.	Item	Par. No.
1	"Preliminary Real Estate Report Jemez Springs Project, Jemez Springs, New Mexico" dated 12 November 1942. Directed by Lt. Col. W. H. Dudley, CE, and written by by Mr. Bernie White. A copy of this report is located in the Office of Chief of Engineers, Washington, D. C.	2-3 ~~2-4~~
2	"Report of Buildings, Jemez Springs, New Mexico" by the U. S. Engineer Office, Albuquerque, New Mexico, dated 13 November ~~1946~~ 1945. A copy of this report is on file at Post Headquarters, Mail and Records Section, Los Alamos, New Mexico.	2-3 ~~2-4~~
3	"Preliminary Real Estate Report Los Alamos Project, Los Alamos, New Mexico", dated 21 November 1942 by the Southwestern Division Real Estate Branch. This report is located in the Office of Chief of Engineers, Washington, D. C.	2-3 ~~2-5~~
4	"Preliminary Real Estate Report Los Alamos Project, Los Alamos, New Mexico" dated 23 November ~~1943~~ 1942 by the U. S. Engineer Office, Albuquerque District. This report is on file at Post Headquarters, Mail and Records Section, Los Alamos, New Mexico.	2-3 ~~2-5~~
5	Memorandum of understanding between J. M. Harman, Col., and Frank C. W. Pooler, Regional Forester, Region 3, Forest Service, Albuquerque, New Mexico, dated 22 March 1943. This report is on file at Post Headquarters, Mail and Records Section, Los Alamos, New Mexico.	3-1
6	"Report of Water Supply, Los Alamos Project, Los Alamos, New Mexico" prepared by the U. S. Engineer Office, Albuquerque, New Mexico, and R. C. Ruble, Consulting Engineer, Santa Fe, New Mexico. This report is on file at Post Headquarters, Mail and Records Section, Los Alamos, New Mexico.	5-4 ~~5-26~~
7	Contract with the Zia Company, 1 April 1946. Contract No. W-17-028-eng-90 (Oakridge). A copy of this contract is on file in the Operations Division, Contract Section, Los Alamos, New Mexico.	6-1 ~~6-2~~

~~SECRET~~

Ref. No.	Item	Par. No.
8	Circular Letter No. 4398, dated 18 May 1943 from the Chief of Engineers pertaining to procedure for supply. A copy of this letter is filed at Post Headquarters, Mail and Records Section, Los Alamos, New Mexico.	6-9 ~~6-55~~
9	Complete unofficial record of fatalities was compiled in the Los Alamos Historical Section where it is now on file.	6-15 ~~6-126~~
10	Statistics of Accident Frequency are on file in the Safety Division, Los Alamos, New Mexico.	6-127
11	Complete file of this Claims Case is on file at Post Headquarters, Mail and Records Section, Los Alamos, New Mexico.	6-15 ~~6-140~~
12	History of Provisional Engineering Detachment. A copy of this volume is on file in the Historical Section, Los Alamos, New Mexico.	7-1 ~~7-10~~
13	History of WAC Detachment. A copy of this volume is on file in the Historical Section, Los Alamos, New Mexico.	7-1 ~~7-14~~